Free

2016

Amateur Radio
Special Events & Information Guide

PUGET SOUND
(AND SURROUNDING AREA)

K7LED

146.82 MHz & 224.12 MHz
info@mikeandkey.org
www.mikeandkey.org

Preparing For Public Service Communications

1. Dress in layers of clothing, in case the weather changes.
2. Bring your medication, sunscreen, sunglasses, water bottle, etc.
3. Bring extra batteries for your radio.
4. Report your arrival in advance on the talk-in frequency, so you can be directed to convenient parking.
5. Bring a pen and small note pad to jot down information.
6. Speaker mikes and headsets are very helpful. Don't use vox, as it can pick up crowd noise and tie up the frequency.
7. If you have an extra radio, bring it along in case another volunteer has none.
8. You're part of a team, Net Control will answer your questions.
9. Have fun and feel good about helping your community.

The Amateur's Code

The Radio Amateur is:

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC...station and skill always ready for service to country and community.

The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928.

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM

IC-7600
All Mode Transceiver

IC-7200
HF Transceiver

IC-7100
All Mode Transceiver

ID-5100A
VHF/UHF Dual Band Digital Transceiver

ID-51A
VHF/UHF Dual Band Transceiver

KENWOOD

TS-590SG
HF/50MHz Transceiver

TM-D710G
2M/440 Dualband

TM-V71A
2M/440 DualBand

TM-281A
2 Mtr Mobile

TH-F6A
2M/220/440

YAESU
The radio

FT-991
HF/50MHz/2M/440 Transceiver

FTDX1200
100W HF + 6M Transceiver

FT-450D
A100W HF + 6M Transceiver

FTM-400XD
2M/440 Mobile

FT-60R
2M/440 5W HT

5 Ways to Shop!

- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- FAX – All store locations
- ONLINE – WWW.HAMRADIO.COM
- MAIL – All store locations

ANAHEIM, CA (800) 854-6046	OAKLAND, CA (877) 892-1745	SUNNYVALE, CA (877) 892-1749	PORTLAND, OR (800) 765-4267	PHOENIX, AZ (800) 559-7388	WOODBRIDGE, VA (800) 444-4799	PLANO, TX (877) 455-8750 New Store!
BURBANK, CA (877) 892-1748	SAN DIEGO, CA (877) 520-9623	NEW CASTLE, DE (800) 644-4476	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	SALEM, NH (800) 444-0047	ONLINE STORE WWW.HAMRADIO.COM

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, TX, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.

WHY BE A HAM RADIO OPERATOR?

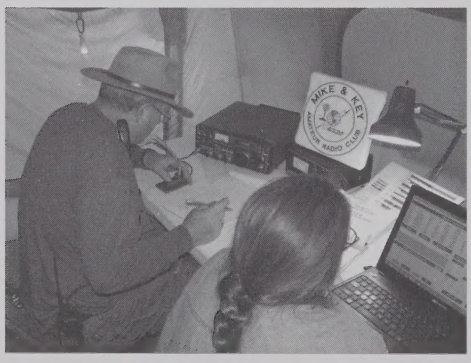
With the Internet, mobile devices, CB radio and the Family Radio Service, what's the point of Amateur Radio?

Amateur Radio has always been on the cutting edge of technology. Today, we use Earth-Moon-Earth bounce, amateur satellites, digital modes, digipeaters, thousands of FM repeaters, Internet-linked repeaters, amateur TV and many other forms of communication. Many radios are now able to connect with your computer or mobile device for a control interface or other functions. Some radios even use a computer for part of the radio signal processing, allowing for improvements via software updates. The possibilities are endless.

In times of disaster, Amateur Radio has been the last resort for reliable communications. During hurricanes Katrina & Rita, hundreds of Hams worked for weeks because commercial communications were destroyed, overloaded or incompatible. After the Shuttle Columbia disaster, Hams were called out to search for debris. Using portable FM repeaters, Hams were the only reliable form of communication. Today, Ham Radio is more vital, exciting and needed than ever.

HOW YOU CAN BECOME A HAM RADIO OPERATOR

All hobbies involve learning new skills. To operate on the Amateur Radio bands, you must first master the basics, pass a test and receive a license from the Federal Communications Commission. The amateur community is very active in helping people become new Hams. Weekend classes and testing sessions are available in most areas. There are also self-study books and online programs. Think you can't do it? Even grade-school kids have passed the exam for the highest class license.



There is no longer any Morse code requirement for any license class. There are three levels of licenses with progressive privileges. The first level is Technician, which allows mostly local communications. If your interests take you further, you can earn a General or Extra class license for more privileges and world-wide communications.

Your local Amateur Radio club will help you get into a study course and mentor you in your new hobby. This book has a list of Ham Radio clubs and examination locations. Our Web page (www.mikeandkey.org) and the ARRL Web page (www.arrl.org) give more information on classes, test locations and Ham Radio in general. Come enjoy the expanding world of Ham Radio. The sky is **NOT** the limit!

NETS IN THE PUGET SOUND REGION

Day	Time	Freq	Rptr Call	Name / Group / Description
Daily	0900	146.860	W7AVM	Island County ARC (except Sunday, at 1930)
	0900	146.960	WW7PSR	PSRG Nine O'clock Net (also at 2100)
	1730	146.820	K7LED	Puget Sound NTS Net
	2000	28.430	(HF SSB)	Chief Seattle Chapter of 10X Intl. (also Tues. at 0930)
M - F	0545	145.330	K7NWS	Northwest Weather Net (also at 1645)
SUN	1000	3.915	(HF SSB)	75 Meter Ham Swap Net
	1900	147.240	K7SYE	Auburn Area Emergency Communications Team
	1900	146.840	WA7FW	Federal Way D-STAR/D-RATS Practice Net
	1900	145.390	W7EOC	Grays Harbor Co. Aux. Em. Comm. (& BeachNet rptrs.)
	1900	28.330	(HF SSB)	Kitsap County ACS (also 6-meter FM net on 52.430)
	1900	147.340	K6RFK	NW Washington LDS Stakes ERC Net
	1900	442.300	N9VW	City of Sammamish ARES/RACES
	1900	146.740	K7SKW	Whatcom County ARES Emergency Services Net
	1915	145.470	K7CPR	Region 3 ARES/RACES (& BeachNet repeaters)
	1930	147.040	WA7FW	Federal Way Amateur Radio Club
	1930	145.490	K7LWH	Kirkland Emergency Comm. Team (KECT) / ARES
	1930	145.430	KD7WDG	Kitsap County Alt. Comm. System (ACS)
	1930	443.500	W7VMI	Vashon-Maury I. RC - ARES (1st Sun. 28.385 MHz SSB)
	2000	147.080	W7WWI	King County ARES/RACES
	2000	28.375	(HF SSB)	Radio Club of Tacoma (Ten Meter Social Net)
	2100	146.820	K7LED	Renton LDS Stakes ERC Net
	2200	145.330	K7NWS	Northwest Astronomy Net
MON	1830	3.985	(HF SSB)	WA State Emerg. Net (Winter at 1730) (alt. 3.990, 7.245)
	1830	441.800	W7AW	West Seattle ARC (also 145.130 & 53.290)
	1845	147.320	WB7DOB	Kent Communications Support Team (KCST)
	1900	146.960	WW7PSR	Seattle Auxiliary Communications Service (ACS)
	1930	146.960	WW7PSR	Puget Sound Repeater Group (PSRG)
	1930	442.825	W7AUX	Shoreline ACS (City of Shoreline)
	2000	147.260	W7DG	Cowlitz County Auxiliary Communications Service
	2000	444.550	WW7SEA	Puget Sound Digital Hams Practice Net
	2000	147.570	(simplex)	Stanwood-Camano ARES
	2015	147.360	W7PIG	Stanwood-Camano Amateur Radio Club
TUE	1000	145.190	N7GDE	Region 1 EmComm Net (then QSY 444.5, 53.09, 223.86)
	1900	146.660	WA7ST	SeaTac Amateur Radio (STAR)
	1900	441.400	NT7H	Thurston County ARES/RACES (also 147.36 & 224.46)
	1930	147.280	W7DK	Radio Club of Tacoma
	1930	441.400	NT7H	Olympia Amateur Radio Society (also 147.36 & 224.46)
	2000	441.550	W7WWI	American Red Cross - King & Kitsap (alt. 440.525)
	2000	147.260	KF7NPL	Maple Valley Amateur Radio Club (146.54 simplex after)
	2000	146.920	WA7DEM	Snohomish County ACS/ARES
WED	0800	28.370	(HF SSB)	Stanwood-Camano ARC (informal net, also Mon.)
	0900	145.150	W7JCR	Jefferson County ARES/RACES (formal net)
	1900	145.190	N7GDE	Skagit County ARES
	1930	146.720	N7SK	Mason County Amateur Radio Club (also Sun.)
	1930	146.820	K7LED	Mike & Key Technical Net
	2000	146.700	N7JN	San Juan County Amateur Radio Society
THU	1900	147.340	K6RFK	Bothell-area Amateur Radio Emergency Communications
	1900	443.550	W7SRZ	West. WA Med. Svcs. (also 444.825, 443.675, 440.550)
	1900	443.600	K7FDF	Renton Emergency Communication Service
SAT	0900	3.985	(HF SSB)	WA State Emerg. Net (WSEN) (secondary 3.990, 7.245)
	2000	147.080	W7WWI	Western WA Amateur TV Society (also Wed.)

PUGET SOUND REPEATERS

Output	Input	Tone	Call Sign	Location [Group]
53.010	51.310	100.0	K7NP	University Place [Univ. Place Repeater Group]
53.090	51.390	100.0	W7UMH	Lyman Hill, Skagit County [5CECG]
53.150	51.450	100.0	K7CR	Tiger Mountain West [Channel One Rptr Group]
53.350	51.650	100.0	W7SKY	Sultan [Sky Valley ARC]
53.410	51.710	100.0	W7PFR	Eatonville [Gobbler Knob Repeater Group]
53.430	51.730	100.0	W7NPC	Bainbridge Island [Bainbridge Island ARC]
145.150	144.550	114.8	W7JCR	Port Townsend [Jefferson Co. ARES/RACES]
145.170	144.570	118.8	NM7R	Ocean Park [BeachNet Repeater System]
145.190	144.590	127.3	N7GDE	Lyman Hill, Skagit Co. [RASC]
145.330	144.730	179.9	K7NWS	Tiger Mtn W [Boeing Employees ARS]
145.370	144.770	136.5	W7AAO	Grass Mtn. [Pierce Co. ARES/RACES]
145.390	144.790	118.8	W7EOC	Cosmopolis [BeachNet Repeater System]
145.430	144.830	179.9	KD7WDG	Silverdale [Kitsap Co. ACS]
145.470	144.870	100.0	K7CPR	Capitol Peak (Olympia) [Capitol Peak Rptr Assoc.]
145.490	144.890	103.5	K7LWH	Kirkland [Lake Washington Ham Club]
146.620	146.020	103.5	WW7RA	Gold Mountain, Kitsap Co. [WWRA]
146.660	146.060	103.5	WA7ST	SeaTac [SeaTac Amateur Radio]
146.700	146.100	131.8	N7JN	Friday Harbor [San Juan County ARS]
146.720	146.120	103.5	N7SK	Shelton [Mason Co. ARC]
146.740	146.140	103.5	K7SKW	Bellingham [Mt. Baker ARC Rptr Group]
146.740	146.140	127.3	K7SKW	Lookout Mtn [Mt Baker ARC]
146.760	146.160	100.0	W7FEL	Striped Peak [Clallam Co. ARC]
146.760	146.160	103.5	WA7FW	Federal Way [Federal Way ARC]
146.820	146.220	103.5	K7LED	Tiger Mtn. East [Mike & Key ARC]
146.840	146.240	DSTAR	WA7FW	Federal Way [Federal Way ARC]
146.860	146.260	127.3	W7AVM	Coupeville [Island County ARC]
146.900	146.300	123.0	W7SRZ	Seattle [WW Medical Services Team]
146.920	146.320	123.0	WA7DEM	Granite Falls [Snohomish Co. ACS/ARES]
146.960	146.360	103.5	WW7PSR	Seattle [Puget Sound Repeater Group]
147.000	146.400	103.5	W7DX	Seattle [Western Washington DX Club]
147.040	147.640	103.5	WA7FW	Federal Way [Federal Way ARC]
147.060	147.660	110.9	WA7UHD	Baw Faw Peak [Chehalis Valley ARC]
147.080	147.680	103.5	W7WWI	Tiger Mtn E [Sea-Tac Repeater Association]
147.180	147.780	103.5	WA7LAW	Everett [Snohomish Co. Hams Club]
147.200	147.800	131.8	K7MMI	Lyman Hill [Puget Sound Mobile Relay Group]
147.240	147.840	123.0	K7SYE	Auburn [Auburn Valley Rptr Group]
147.260	147.860	103.5	KF7NPL	Maple Valley [Maple Valley Emerg Rptr Assoc]
147.260	147.860	114.8	W7DG	Longview [Lower Columbia ARA]
147.280	147.880	103.5	W7DK	Tacoma [Radio Club of Tacoma]
147.300	147.900	88.5	WB7DOB	Enumclaw [Pierce County Search & Rescue]
147.340	147.940	100.0	K6RFK	Woodinville
147.360	147.960	127.3	W7PIG	Camano Island [Stanwood-Camano ARC]
223.860	222.260	103.5	W7MBY	Lyman Hill [5 County Emergency Comm Group]
223.880	222.280	103.5	W7PIG	Camano Island [Stanwood-Camano ARC]
223.980	222.380	100.0	N7NW	Tiger Mountain East

Note: The use of a repeater is a privilege extended by the owner, not a requirement. There are specific FCC rules and regulations with regard to the usage of repeaters, and of all ham radio conversations carried on the airwaves. Violation of these regulations can be severe when abused, and will be strictly enforced by the FCC with the support of all Ham Radio Clubs in the Puget Sound Region.

PUGET SOUND REPEATERS

Output	Input	Tone	Call Sign	Location [Group]
224.120	222.520	103.5	K7LED	Tiger Mountain East [Mike & Key ARC]
224.220	222.620	103.5	WA7FUS	Lake Forest Park
224.340	222.740	110.9	K7NWS	Tiger Mtn W [Boeing Employees ARS]
224.480	222.880	103.5	N7JN	Mt Constitution [San Juan County ARS]
224.680	223.080	103.5	W7SRZ	Seattle [WW Medical Services Team]
224.760	223.160	103.5	WB7DOB	Enumclaw [German Shepherd Search Dog]
224.820	223.220	82.5	NM7R	South Bend [BeachNet Repeater System]
440.625	445.625	103.5	W7DK	Tacoma [Radio Club of Tacoma]
441.050	446.050	103.5	W7PIG	Camano Island [Stanwood-Camano ARC]
441.400	446.400	103.5	NT7H	Crawford Mountain [Olympia ARS]
441.550	446.550	103.5	W7WWI	Cougar Mtn
441.725	446.725	103.5	W7PSE	Mt. Erie [PSEARG]
441.800	446.800	141.3	W7AW	West Seattle [West Seattle ARC]
442.025	447.025	110.9	W7WWI	Tiger Mtn E [Sea-Tac Repeater Association]
442.250	447.250	156.7	NC7Q	Lookout Mtn [Whatcom Emerg. Comm Group]
442.300	447.300	123.0	N9VW	Issaquah
442.400	447.400	107.2	W7MBY	Lyman Hill [5 County Emergency Comm Group]
442.650	447.650	103.5	WW7RA	Gold Mtn., Kitsap Co. [WW Rptr Assoc.]
442.825	447.825	103.5	W7AUX	Shoreline [Shoreline ACS]
442.950	447.950	103.5	WA7FW	Federal Way [Federal Way ARC]
443.100	448.100	103.5	WA7ST	SeaTac [SeaTac Fire Dept. & SeaTac Am. Radio]
443.250	448.250	103.5	KE7GFZ	Duvall [Snoqualmie Valley ARC]
443.450	448.450	110.9	K7KFM	Chehalis
443.500	448.500	103.5	W7VMI	Vashon Island [Vashon-Maury Island RC]
443.550	448.550	103.5	W7SRZ	Seattle [WW Medical Services Team]
443.600	448.600	103.5	K7FDF	Renton [Renton Emergency Comm. Service]
443.750	448.750	103.5	K7SKW	Lookout Mtn [Mt Baker ARC]
443.825	448.825	88.5	N7WGR	Port Townsend
443.925	448.925	100.0	W7FLY	Everett [BEARONS]
444.050	449.050	103.5	K7SKW	Mt Constitution [Mt Baker ARC Rptr Group]
444.200	449.200	118.8	W7EOC	Ocean Shores [BeachNet Repeater System]
444.300	449.300	103.5	WA7WKT	Buck Mountain
444.350	449.350	100.0	K7OET	Cultus Mountain, Skagit County
444.375	449.375	88.5	AJ7JA	Seattle [Seattle Int'l. Japanese ARC]
444.550	449.550	141.3	WW7SEA	Columbia Center, Seattle [Seattle ACS]
444.575	449.575	103.5	WA7LAW	Everett [Snohomish County Hams Club]
444.900	449.900	131.8	K6MBY	Sequim
444.950	449.950	118.8	W7EOC	Capitol Peak [BeachNet Repeater System]
927.488	902.488	114.8	WA7ZWG	Lookout Mtn [5 County Emergency Comm Group]
927.600	902.600	114.8	K7NP	University Place [Univ. Place Repeater Group]
927.638	902.638	114.8	W7AUX	Shoreline [Shoreline ACS]
1290.100	1270.100		WA7FW	Federal Way [Federal Way ARC]
1290.950	1270.950	103.5	N7FYU	Bellingham
1292.200	1272.200	103.5	KB7CNN	Tiger Mtn E
1292.400	1272.400	103.5	KB7CNN	Tacoma

Note: The use of a repeater is a privilege extended by the owner, not a requirement. There are specific FCC rules and regulations with regard to the usage of repeaters, and of all ham radio conversations carried on the airwaves. Violation of these regulations can be severe when abused, and will be strictly enforced by the FCC with the support of all Ham Radio Clubs in the Puget Sound Region.

Date/Time	City	Exam Location
1st Thursday 8pm	Hoquiam	Hoquiam Public Library, 420 7th St
2nd Tuesday 7pm	Tacoma	1249 S Washington St
2nd Thursday 7:30pm	McChord AFB	MARS Bldg #830
2nd Saturday 10am	Shelton	PUD #3, Aud. A, 2621 E Johns Prairie Rd
2nd Sat 10am, even months	Bellingham	1041 W Smith Rd
2nd Saturday 11am	Woodinville	Vinyl Fence Specialists, 23128 SR-9 SE
3rd Mon 7pm, odd months	Stanwood	Snohomish Co. PUD, 9124 271st St SW
3rd Tues 6:30pm, even months	Anacortes	Fire Station, 1016 13th St at Commercial
3rd Wed 6pm (except Dec)	Tumwater	S. Sound Manor Event Ctr., 445 North St SE
3rd Thursday 6:30pm	Everett	Snohomish Co. DEM, 720 80th St SW
3rd Sat 12:30pm (except March)	Renton	Salvation Army HQ, 720 S Tobin St
4th Sat 9am, odd months	Bremerton	Fire Station 41, 7600 Old Military Road NE
4th Sat 10am (except Dec)	Everett	Baker View Community Ctr., 1401 Poplar St

For up-to-date information on license classes and exam opportunities, please see the Mike & Key web site.
www.mikeandkey.org/education.htm

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MBA MEMBER

RADIO EXAMS

Contact	Call Sign	Phone	Email Address or Website
Les	N7GH	360-581-9104	morgalr@yahoo.com
John	AC7WW	253-948-6297	ac7ww@w7dk.org
George	N7TQZ	253-536-8388	n7tqz@juno.com
Dave	N7HT	253-363-1692	dbbrooks@hotmail.com
Brian	K1BJ	360-966-2485	k1bj@hotmail.com
David	AE7TD	425-898-9721	dwickert@hotmail.com
John	K7LVJ	360-757-8091	jr.bellinger@frontier.com
Robert	NX7Q	360-757-1357	nx7q@frontier.com
Klaus	AC7MG	360-280-2428	oars-ve@comcast.net
Ann	AA7AG	425-742-6176	ann.wright@gmail.com
Scott	AG7T	425-788-0452	AG7T@arrl.net
Don	NS7Q	360-509-3284	gibson.donald@comcast.net
Jess	AD7PZ	206-953-3178	millcreekwildlifereflections@yahoo.com

Information on license classes and exam opportunities can also be found at the ARRL.
www.arrl.org/find-an-amateur-radio-license-class
www.arrl.org/find-an-amateur-radio-license-exam-session

MIKE & KEY AMATEUR RADIO CLUB

Save The Date!

Mike & Key ARC Fleamarket

March 11th 2017

www.mikeandkey.org

Club Name	Meeting Location
Boeing Employees ARS (BEARS)	Museum of Flight, 9404 E Marginal Way S, Seattle
BEARONS (Boeing Empls. North Soc.)	Everett Boeing Activities Center, 6400 36th Ave W
Cascade Radio Club	PUD Auditorium, 2320 California Ave, Everett
Chehalis Valley ARS	FD 6 Training Bldg, 2123 Jackson Highway, Chehalis
Clallam County ARC	Pt Angeles Fire Dept, 5th & Laurel St, Port Angeles
Federal Way ARC	FW PS Sup Svcs Ctr, 1211 S 332nd St, Federal Way
Highline ARC	SeaTac Station 45, 2929 S 200th Street, Seattle
Island County ARC	ICC Hearing Rooms, Coupeville
Issaquah ARC	Issaquah Valley Sr. Ctr, 75 NE Creek Way, Issaquah
Kitsap County ARC	Fire Station 41, 7600 Old Military Road NE, Bremerton
Lake Washington Ham Club	Vinyl Fence Specialists, 23128 SR-9 SE, Woodinville
Maple Valley ARC	Fire Station 80, 23775 SE 264th St, Maple Valley
Mason County ARC	Alpine Way Retirement Ctr., 900 Alpine Way, Shelton
MicroHams	Bldg 35 Room 4561 Microsoft Campus, Redmond
Mike & Key ARC	Salvation Army, 720 S Tobin St, Renton, WA
Mount Baker ARC	Ferndale Library, 2125 Main St., Ferndale
Olympia ARS (OARS)	S. Sound Manor Event Ctr., 445 North St SE, Tumwater
Pacific County ARC	Hunter's Inn Restaurant, SR-4, Naselle
Puget Sound Antique Radio Assoc.	Cedar Valley Grange, 20526 52nd Ave W, Lynnwood
Puget Sound Repeater Group	Salmon Bay Café, 5109 Shilshole Ave NW, Seattle
Radio Amateurs of Skagit County	Skagit Valley Hospital, Skuksan Room
Radio Club of Redmond	Panera Bakery, 17262 Redmond Way, Redmond
Radio Club of Tacoma	Library Admin Bldg, 112th St E & Waller Rd, Tacoma
San Juan County ARS	Fire Station, 1011 Mullis St, Friday Harbor
SnoCoHams	Bob's Burgers & Brew, Tulalip (Marysville)
Snohomish County Hams Club	Providence Everett Medical Center, 1321 Colby Ave
Snoqualmie Valley ARC	Duvall Fire Station, 15600 First Ave NE, Duvall
Stanwood-Camano ARC	[location alternates by month - see website]
Tukwila Emergency Comm. Team	Fire Station #51, 444 Andover Park E, Tukwila
W. Wash. Amateur TV Society	Fire Station #9, 12412 SE 69th Way, Newcastle
Western Washington DX Club	Robb's Grill, N 125th St & Aurora Ave N, Seattle
West Seattle ARC	Young's Restaurant, 9413 16th Ave SW, Seattle

All information is believed to be correct as of press time.
For up-to-date information please see the Mike & Key web site.
www.mikeandkey.org

CONTACTS

When	Website
1st Sat 8:30am (except Jul, Aug, Sep)	www.k7nws.com
2nd Saturday 10am	Facebook page: BEARONS
3rd Wed 7pm (except Dec)	www.cascaderadioclub.org
1st Wednesday 7:30pm	www.cvars.org
2nd Wednesday 7pm	www.olyham.net
2nd Thursday 7pm	www.fwarc.org
4th Saturday 10am	www.highlinearc.org
4th Saturday 9am	www.w7avm.org
1st Wednesday 7:15pm	www.w7bi.com
3rd Saturday 10am	www.kcarc.org
2nd Sat 10am	www.lakewashingtonhamclub.org
4th Sat 10am (exc. Jul, Aug, Nov, Dec)	www.kc7key.org
2nd Saturday 8:30am	www.mc-arc.org
3rd Tuesday 6:00pm	www.microhams.com
3rd Saturday 10am	www.mikeandkey.org
2nd Tue 7pm (exc. July & Aug)	www.mbarc.org
3rd Wed 7pm (except Dec)	www.olyham.org
2nd Saturday 9am	www.qsl.net/w7rdr
3rd Sun Noon (2nd Sun Jun & Dec)	http://www.pugetsoundantiqueradio.com/index
Board meeting - 2nd Sat 1pm	www.psrg.org
2nd Friday 7pm	www.rasconline.org
3rd Saturday 8am	www.n7ke.net
2nd Wednesday 7:30pm	www.w7dk.org
2nd Friday, 11:30am	http://sjcars.org/blog/
2nd Saturday 9am	www.snocohams.net
4th Sat 8am (exc. Jun & Dec)	www.wa7law.com
1st Thursday 7pm	www.snovalleyarc.org
3rd Thurday 7pm	www.scarcwa.org
1st Wednesday 7pm	www.tukwilaradioclub.org
3rd Saturday 12:30pm	www.qsl.net/ww7ats
2nd Tuesday 6:30pm	www.wwdxc.org
3rd Sunday 9:30am	www.westseattlearc.org

All information is believed to be correct as of press time.
For up-to-date information please see the Mike & Key web site.
www.mikeandkey.org

2016 PUBLIC SERVICE EVENTS

Date	Event Name	Location	Contact	Call	Phone	Email
Mar 17	St. Patrick's Day Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Apr 9	Daffodil Parade(s) *	Tac.-Puyallup-Sumner-Orting	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Apr 9	Walk MS: Snohomish County	Tulalip (Quil Ceda)	Vickie	W7VSF	206-963-2093	vickie.fontaine@outlook.com
Apr 10	Walk MS: Seattle	Husky Stadium	Vickie	W7VSF	206-963-2093	vickie.fontaine@outlook.com
Apr 30	Holland Happening Parade *	Oak Harbor	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
May 7	YMCA - 10K	Capitol Way, Olympia	Lee	Ki7SS	360-951-2538	ki7ss@arrl.net
May 14-15	Olympus Road Rally	SW Washington	Lee	Ki7SS	360-951-2538	ki7ss@arrl.net
May 15	Capital City Marathon	Olympia	Lee	Ki7SS	360-951-2538	ki7ss@arrl.net
May 17	Syttende Mai (Norwegian Ind. Day)*	Ballard, Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
May 22	ADA Tour de Cure Ride	Woodinville - Monroe	Mike	K7MHL	206-605-7769	mlaposa@msn.com
May 29	Big Backyard 5K Run	Marymoor Park, Redmond	Alan	KD7KUS	425-883-0405	AlanBJones@frontier.com
Jun 3-5	WA Special Olympics	Joint Base Lewis McChord	John	KC7OLB	253-302-7144	caverlyj@gmail.com
Jun 4	Flying Wheels Century Ride	Marymoor Park, Redmond	Alan	KD7KUS	425-883-0405	AlanBJones@frontier.com
Jun 18	Strawberry Festival Parade *	Marysville	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jun 25-26	**"CQ FIELD DAY"**	**EVERYWHERE**				
Jul 2	Rotary Auction, Woodward School	Bainbridge Island	Craig	AC7BV	206-780-5585	CraigH@Blarg.net
Jul 9	Wallingford Kiddies Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 9	Mercer Island Parade *	Mercer Island	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 10	Cornucopia Days Parade *	Kent	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 16	Kla-Ha-Ya Days Parade *	Snohomish	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 16	West Seattle Hi-Yu Festival Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 16	Waterland Festival Parade *	Des Moines	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 24	Chinatown Seafair Parade*	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 24	Seafair Triathlon *	Seward Park, Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org

Jul 24	White Center Jubilee Days Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 27	Greenwood Seafair Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 28	RAMROD Bike Ride	Enumclaw	Matt	AE7MK	509-860-8233	ham_support@kozmafamily.net
Jul 29	Tour de Terrace Parade *	Mountlake Terrace	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 30	SEAFAIR TORCHLIGHT PARADE *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Jul 31	CF Cycle For Life	Woodinville	Vickie	W7VSF	206-963-2093	vickie.fontaine@outlook.com
Aug 6	Lake City Pioneer Days Parade *	Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Aug 6-8	Courage Classic Bicycle Tour	Snoq.-Blewett-Stevens Pass	Todd	KD7NPT		toddkpr@gmail.com
Aug 12-16	Bigfoot 200 Endurance Run/Hike	Mt St Helens & G Pinchot NF	Robert	KD7WNV	425-398-1466	kd7wnv@arrl.net
Aug 13-14	Obliteride (Fred Hutch bike ride)	Seattle & mid-Puget Sound	Mark		206-448-5868	mark@obliteride.org
Aug 20	10K Run + Walk	Seattle Center	Fran	N7FWZ	425-226-4115	w7aka@comcast.net
Aug 20	Woodinville's Community Parade *	Woodinville	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Aug 20	Good Ol' Days Parade *	Auburn	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Aug 20	Rainier Valley Parade *	Rainier Valley, Seattle	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Sep 10	Lighthouse Festival *	Mukilteo	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Sep 10-11	Bike MS: Deception Pass Classic	Skagit, Island & Whatcom	Vickie	W7VSF	206-963-2093	vickie.fontaine@outlook.com
Sep 24	Autumn Leaf Festival Parade *	Leavenworth	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Oct 1	Salmon Days Parade *	Issaquah	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Oct 7-9	Bigfoot 120 Endurance Run/Hike	Mt Adams - Mt St Helens	Robert	KD7WNV	425-398-1466	kd7wnv@arrl.net
Nov 5	Veterans Day Parade *	Auburn	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Nov 19	Boy Scout Night Hike	Camp Thunderbird	Lee	Ki7SS	360-951-2538	ki7ss@arrl.net
Nov 27	SEATTLE MARATHON	Seattle	Matt	AE7MK	509-860-8233	ham_support@kozmafamily.net
Dec 3	Santa Parade *	Auburn	Liz	N7ZXH	206-240-6400	hamsignup@seafairparademarshals.org
Dec 4	Seafair Holiday Cruise	Seattle	Dick	WA7NIW	425-828-9791	wa7niw@arrl.net
Feb 26	(2017) Chilly Hilly Bike Ride	Bainbridge Island	Craig	AC7BV	206-780-5585	CraigH@Blarg.net

All information is believed to be correct as of press time. For up-to-date information please see the Mike & Key Website. **www.mikeandkey.org**

* Go to www.seafairparademarshals.org for schedule changes and to sign up.

2016 NW HAMFESTS

Date	Event and Location	Contact
Feb 20	Salem Hamfair & Swapmeet - Polk Co. Fairgrounds, Rickreall, OR	[website]
Mar 5	Grays Harbor ARC Hamdays. Aberdeen, WA	Bernie
Mar 5	Mike & Key ARC Electronics Show & Fleamarket - Puyallup, WA	Mike
Mar 6	Burnaby Amateur Radio Club Swapmeet. New Westminster, BC	[website]
Mar 19	MicroHAMS Digital Conference. Redmond, WA	[website]
Apr 9	Yakima Hamfest - Selah Civic Center - Yakima, WA	[website]
Apr 9-10	Communications Academy - South Seattle Comm College, Seattle, WA	[website]
Apr 22	Voice of Idaho ARC - Idaho State Convention, Boise, ID	Larry
May 1	Maple Ridge Swap Meet - Maple Ridge, BC	[website]
May 14	Stanwood-Camano ARC Hamfest - Stanwood Middle School	Vic
May 20-22	WA State Search & Rescue Conference - Goldendale, WA	[website]
May 20-22	River Radio Campout 2016. Pateros WA.	Roger
June?	CVRS Antique Radio Swapmeet. Burnaby, BC	[website]
June?	Wenatchee Hamfest, Apple City ARC - Dryden Gun Club	[website]
Jun 3-5	Sea-Pac Hamfest & ARRL NW Divison Conference, Seaside, OR	[website]
Jun 11	Port Ludlow ARC Tailgate Swap Meet - Port Ludlow, WA	[website]
Jun 11	KARS HAMFEST, Kootenai ARS - Post Falls, ID. Always 2nd Sat in June	Bonnie
Jul 8-10	6th Annual KUH Pig Roast & Campout - Springdale, WA	Ray
Jul 9-10	SalmonCon, PNW QRP weekend - Valley Camp, North Bend, WA	Wayne
Jul 15-17	Glacier-Waterton Intl Peace Park Hamfest	[website]
Jul 16	Coos County Radio Club Hamfest & Swapmeet - North Bend, OR	Zane
Jul 23	Chehalis Valley ARS Hamfair - 14th Annl Swap. Lewis Co. Fairgrounds	[website]
August?	Northwest Citizen Corps Expo - North Bend, WA	[website]
August?	LaGrande Swap Meet and Fox Hunt - La Grande, Oregon	[website]
Aug 5-7	61st Annual Pacific Northwest DX Convention - Portland, OR	[website]
Aug 20	Annual Clark County ARC Swapmeet - Vancouver, WA	[website]
Aug 21	Antique Radio Swap Meet - Shoreline, WA - 3rd Sun in Aug	[website]
Aug 27	Highline Amateur Radio Club (HARC) Swap Fest - 4th Sat in Aug	[website]
Sep 9-11	20th NW-APRS/Digital Summer Gathering. Valley Camp, N. Bend, WA	Thom
Sep 24	Spokane Hamfest / ARRL WA State Conv. - University High Schl.	Betsy
October?	Comfest. Delta, BC.	[website]
October	Pacific Northwest VHF Society Conference, Seaside, OR	[website]
October	Jamboree On The Air (JOTA)	[website]
Oct 8	Kitsap County Hamfest - Silverdale, WA	Jim
Oct 14-16	PACIFICON Ham Radio Convention, Santa Clara, CA	[website]
Oct 21	Swaptoberfest, MidValley ARES - Polk Co. Fairgrounds, Rickreall, OR	[website]
Feb, 2017	Salem Hamfair - Polk Co. Fairgrounds, Rickreall, OR (date estimated)	[website]
Mar 11, 2017	Mike & Key ARC Electronics Show & Fleamarket - Puyallup, WA	Mike

Listings sourced from PNW Hamfair webpage at http://www.n7cfo.com/amradio/hf/hf.htm

& CONFERENCES

Call	Phone	Email	Website
			www.w7sra.com
KF7YBR	360-276-0038	evelynbernie@coastaccess.com	www.gharc.org
N7WA	253-631-3756	n7wa@arrl.net	www.mikeandkey.org
			www.ve7bar.org
			www.microhams.com
		www.yakimaamateurradioclub.com/yakima-hamfest/	
			www.commacademy.org
WA7ZZS	208-453-1666	wa7zzs@arrl.net	www.idahostateconvention.com
			www.mrarc.net
N7KRE	360-387-7705	nwecop@tgi.net	www.scarcwa.org/ham_fest.shtm
			www.wasarcon.org/
W7CH	509-687-3919	w7ch@arrl.net	www.lakechelanradioclub.com
			http://rac.eton.ca/events/
			www.qsl.net/w7td
		SEAPAC@seapac.org	www.seapac.org/
			www.n7pl.org
KG6QQM	208-683-2939	KG6QQM@ARRL.net	
	509-258-7078	cdknray@wildblue.net	
NB6M		nb6m@att.net	http://valleycamp.org/
			www.gwhamfest.org
	541-404-6908	zane.albertson@gmail.com	http://www.coosradioclub.org/
			www.cvars.org
			www.nwcitizencorpsexpo.com
			www.w7gra.org
			www.wwdxc.org
		clarkcountyhamfair@w7aia.org	www.w7aia.org
			www.eskimo.com/~hhagen/psara
		swapfest@highlinearc.org	www.highlinearc.org/swapfest.html
		k7fzo.thom@gmail.com	https://valleycamp.org/
N7WRQ	509-448-5821	n7wrq@aol.com	http://www.kbara.org/
			http://rac.eton.ca/events/
			www.pnwvhfs.org
		(www.scouting.org/jota.aspx)	arrl.org/jamboree-on-the-air-jota
N7SYD	360-874-0180	hamfest@kcarc.org	www.kcarc.org
			www.pacificon.org
		k7un@swaptoberfest.net	www.swaptoberfest.net
			www.w7sra.com
N7WA	253-631-3756	n7wa@arrl.net	www.mikeandkey.org

Listings sourced from PNW Hamfair webpage at http://www.n7cfo.com/amradio/hf/hf.htm

2016 Communications Academy

Are We Ready For The "Big One"?

April 9th & 10th, 2016

Early-bird Rate: $30/day, $55/ the weekend

(Early-bird cut-off date: March 20th @ midnight)

Normal Rate: $40/day, $70/ the weekend

Walk-in Rate: $50/day, $80/ the weekend

South Seattle College, 6000 16th Ave S.W., Seattle

www.commacademy.org

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Emergency Preparedness Groups

WHATCOM COUNTY

Whatcom County ARES
www.whatcom-ares.net

Whatcom Co. Sheriff's Auxiliary Comm. Service
https://sites.google.com/site/wcsoacs-public/home

Whatcom Emergency Communications Group
www.wecg.org

Blaine
Blaine Auxiliary Communications Service
http://www.ci.blaine.wa.us/230/Auxiliary-Communications-Service

SKAGIT COUNTY

Skagit County ARES/RACES
http://www.skagitsarcouncil.org/ares-races.html

ISLAND COUNTY

Island County Amateur Radio Club
www.w7avm.org/Public-Service

Camano Island Preparedness Group
www.scarcwa.org/EmergPrep.shtm
bswander44@gmail.com
360-572-4230

SNOHOMISH COUNTY

Snohomish County ACS/ARES
http://www.wa7dem.info/
Scott Honaker, N7SS, Radio Officer
N7SS@arrl.net

KING COUNTY

ARES/RACES of King County
www.aresofkingcounty.org

Shoreline
Shoreline Auxiliary Communications Service
www.shorelineacs.org

Lake Forest Park & Kenmore
Northshore Emergency Management Coalition (NEMC) RACES
(forming early 2016)
NEMC.CERT@gmail.com

Seattle
Seattle Auxiliary Comm. Services
http://seattleacs.com/, moving to
http://seattleacs.org/
Mark Sheppard, N7LYE, Director
mark.sheppard@seattle.gov

Kirkland
Kirkland Emergency Comm. Team (KECT) / ARES
http://www.kirklandwa.gov/depart/Fire_Services/prepare/CommunityInvolvement/ares.htm

Bellevue
Eastside Amateur Radio Support
www.ci.bellevue.wa.us/ears.htm
Luke Meyers
lmeyers@bellevuewa.gov

Sammamish
Sammamish Plateau Amateur Radio Club (SPARC)
http://sp-arc.org/

Continued --->

Renton
Renton Emergency Comm. Service
www.rentonecs.net/

Tukwila
Tukwila Emergency Communication Team (TECTeam)
www.TukwilaRadioClub.org
info@TukwilaRadioClub.org

SeaTac
SeaTac Amateur Radio (STAR)
http://seatacstar.webs.com/
Jim, K7JGM@ARRL.net

Vashon Island
Vashon-Maury Island Radio Club (VMIRC) - ARES
www.w7vmi.org

Kent
Kent Communications Support Team
http://www.kentfirerfa.org/index.aspx?nid=229
K7CST.team@gmail.com
253-856-4440

Maple Valley
Maple Valley ARES
http://www.kc7key.org/ares
Scott Currie, NS7C
info@kc7key.org

Auburn
Auburn Area Emergency Communications Team
www.auburnwa.gov/disaster
http://www.qrz.com/db/WA7AUB
emergencyprep@auburnwa.gov
253-876-1925

Federal Way
Federal Way Amateur Radio Club Emergency Communications Response Team
www.fwarc.org/ECRT

American Red Cross – King, Kitsap & North Mason Counties
www.redcross.org/wa/seattle
Kevin Kopp, KE7COD
kevin.kopp@seattleredcross.org
206-720-5296 ext. 13624

PIERCE COUNTY

Pierce County ARES/RACES
www.piercecountyares.net
Stan Nelson - K7DKK
dec@piercecountyares.net

THURSTON COUNTY

Thurston County ARES
www.wa7oly.net
Tom Bohon, KE7EJJ
tbohon@centurylink.net

MASON COUNTY

Mason County ARES
http://www.qsl.net/wa7pc/

KITSAP COUNTY

Kitsap County ARES/RACES/ACS
http://www.kcacs.org/
www.facebook.com/Kitsap.County.Alternate.Communications.System
kcacs@kcacs.org

JEFFERSON COUNTY

Jefferson County ARES/RACES
http://olypen.com/gandj/ARES-Site/jeffco-index.html
Gary Fell, KD7MWL
Jefferson County ARES Emergency Coordinator/RACES Radio Officer
kd7mwl@n7pl.org

CLALLAM COUNTY

Clallam County ARES/RACES
www.olyham.net/ccares.htm
Bill Carter, W7WEC, Emergency Coordinator
W7WEC@yahoo.com
360-681-4375

WWA SECTION

Western Washington Medical Services Communications Team
www.ww7mst.org

Other Emergency Preparedness Websites

State of Washington:
www.wastateares.org
http://mil.wa.gov/emergency-management-division
FEMA: www.fema.gov
ARRL: www.arrl.org/public-service
ARES: www.arrl.org/ares
RACES: www.qsl.net/races
ARRL WWA Section: www.arrl.org/Groups/view/western-washington
Communications Academy: www.commacademy.org
World Radio Relay League: www.wrrl.org

National Parks on the Air

Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public. See **http://www.arrl.org/npota** for rules and complete details.

FIELD DAY

Field Day has the highest participation of any US amateur radio event. It is many things to different hams - an emergency communication exercise, a contest, a campout, a potluck, or just a chance to get together with friends. It is one of the most anticipated events of the year. The mere mention of the event starts seasoned Amateurs thinking towards the gathering of hams facing fun challenges, as well as a chance to polish up skills needed in the event of an emergency.

Regardless of the shelter, all will need the necessary wires and/or antenna arrays needed to make as many contacts as possible during the event's 24-hour period. Of course, all of the necessities for sustenance are a must for a well-stocked operation. There will probably even be sleeping bags and some sort of heat to make the long night of operation more tolerable.

For the non-ham friend or family member, this outing presents a time of fun, exploration of the surrounding areas, or just a great time to relax, reading, doing crafts, or sitting by a campfire.

We encourage the curious to come to Ft. Flagler State Park and experience the Mike & Key Club's Field Day operation. For the energetic, even come out on Friday to participate in setup and an evening potluck. If you wish to camp, RV's are handiest, but tents, canopies or station wagons will do fine. Make your reservations at Fort Flagler, or become a member the Club in order to participate in our group camp. So be there Saturday morning when the fun begins with **"CQ Field Day, from K7LED"**.

Field Day 2016 is June 25-26. Come out and join us!

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Whether you need a portable antenna for your go-kit or a high-performance beam to help you break the pile ups SteppIR has you covered. Regardless of which of our antennas you choose a SteppIR Yagi will do more than any other antenna on the market, and do it right. No more towers filled with multiple antennas to cover the bands that you want, just one beam with full 20m-6m coverage. Need more? Upgrade to a 40m-6m without increasing the number of elements, feed points, or boom length. Want even more still? Check out our DreamBeam range of antennas. From the compact DB11 to the ultimate DB42 we have what it takes to turn your dreams into reality.

It's not rocket science...it's antenna science at its best!

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SARK-110

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You've read about, some of your freinds have even bragged about it. Now you can put one in the palm of your hand!

The SARK-110 Antenna Analyzer is an amazing multi-function analyzer that you will soon wonder how you ever got along without. With its compact size and a feature list longer than your arm the SARK-110 will quickly become your go to analyzer of choice. Whether making simple VSWR measurments or verifying a feed-line this pocket size device will help you get the job done.

Find out more about the SARK-110 Antenna Analyzer by visiting the SteppIR Antenna booth upstairs at the show.

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SteppIR Antenna Systems is the exclusive delear of the SARK-110 Antenna Analyzer for North America. Find out more at www.steppir.com.

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Notes:

Attention Ham Radio Entrepreneurs - Your Ad Could Be Here!

If you are looking for a place to advertise your business. A place where people will see and respond to your ad, where people will associate you in a positive way with things they love to do, and where you'll be visible for the greatest length of time for the least possible cost.

For over 20 years, the Mike & Key Amateur Radio Club has published its annual ***Amateur Radio Events and Information Guide***. This free publication starts distribution in March of each year and you can be a part of it.

To be included in next years publication please contact the Mike & Key Public Service Committee. Or e-mail info@mikeandkey.org

73-Ham lingo for Best Regards.
APRS-Automated Positioning and Reporting System.
ARC/ARS-Amateur Radio Club/Society.
ARES-Amateur Radio Emergency Service.
ARRL-The American Radio Relay League. The Amateur's representative and promotional organization.
ATV-Amateur Television (fast scan) A method of exchanging moving pictures over radio waves.
Direction Finding (DF-ing)-A competitive ham radio activity in which ham radio operators track down a transmitted signal.
CW-Continuous Wave, another name for Morse code telegraphy.
DX-Distant contact or rare foreign country.
EME- Earth-Moon-Earth Communication (Moonbounce).
Elmer-An amateur who enjoys helping new hams get started on a one-to-one basis.
Field Day-A popular Amateur Radio activity during which hams set up radio stations outdoors and away from electrical service to simulate the aftermath of a disaster. Field Day takes place the fourth full weekend in June.
HF (High Frequencies)-Radio frequencies from 3 to 30 MHz.
MARS-Military Affiliate Radio System.
MFSK-an easy-to-use chat mode for real-time amateur contacts, nets and bulletin transmissions. It performs well on long-path fading conditions and in the presence of interference.
Net-An on-the-air meeting at a particular time, day, and radio frequency.
OSCAR-Orbiting Satellite Carrying Amateur Radio.
Packet Radio-A system of digital communications whereby information is broken into short bursts.
Public Service-Activities that Hams perform to benefit their communities.
PSK31-"Phase Shift Keying, 31 Baud" a form of modulation that offers a new and higher level of performance in conversational communications.
Q Signals-International abbreviations, such as "QRP", used mainly by CW operators to shorten communications.
QRP-Low power operation.
RACES-Radio Amateur Civil Emergency Services.
Repeater-A two-way radio set that listens on one frequency, then re-transmits what it hears on another.
RTTY-Radio Teletype.
SSTV-Slow Scan TV. A method of exchanging still pictures over radio waves.
Traffic Net-An on the air meeting of amateurs for the purpose of relaying written messages.
Transceiver-A radio transmitter and receiver in one unit.
UHF (Ultra High Frequencies)-Radio frequencies from 300 to 3000 MHz.
VE (Volunteer Examiner)-An amateur who volunteers to conduct amateur radio examinations.
VHF (Very High Frequencies)-Radio frequencies from 30 to 300 MHz.

The Mike & Key Amateur Radio Club

Invites you to our regularly scheduled club meeting on the third Saturday of each month, 10 am, at the

Salvation Army Center
720 South Tobin St., Renton
N47^0 29.03' W122^0 12.46'
1 block north of the Renton Transit Center

The Mike & Key Amateur Radio Club is a full-service amateur radio club, not a repeater club. We appreciate our members' full participation in our committees, events, and club meetings.

To show your support for this publication and our repeater, visit our Electronic Swap Meet. It's every March at the Puyallup Fairgrounds

Mike & Key Club Contacts
e-mail: info@mikeandkey.org
Web: www.mikeandkey.org
Mail: P.O. Box 4234
Renton, WA 98057-4234

This booklet is produced for the Amateur Radio community by the
Mike & Key Amateur Radio Club
Public Service Committee
146.82 MHz & 224.12 MHz
An A.R.R.L. Affiliated Club